



FTBF/ITA Status

Proton PMG

7 January 2021

FTBF Status

- MTest

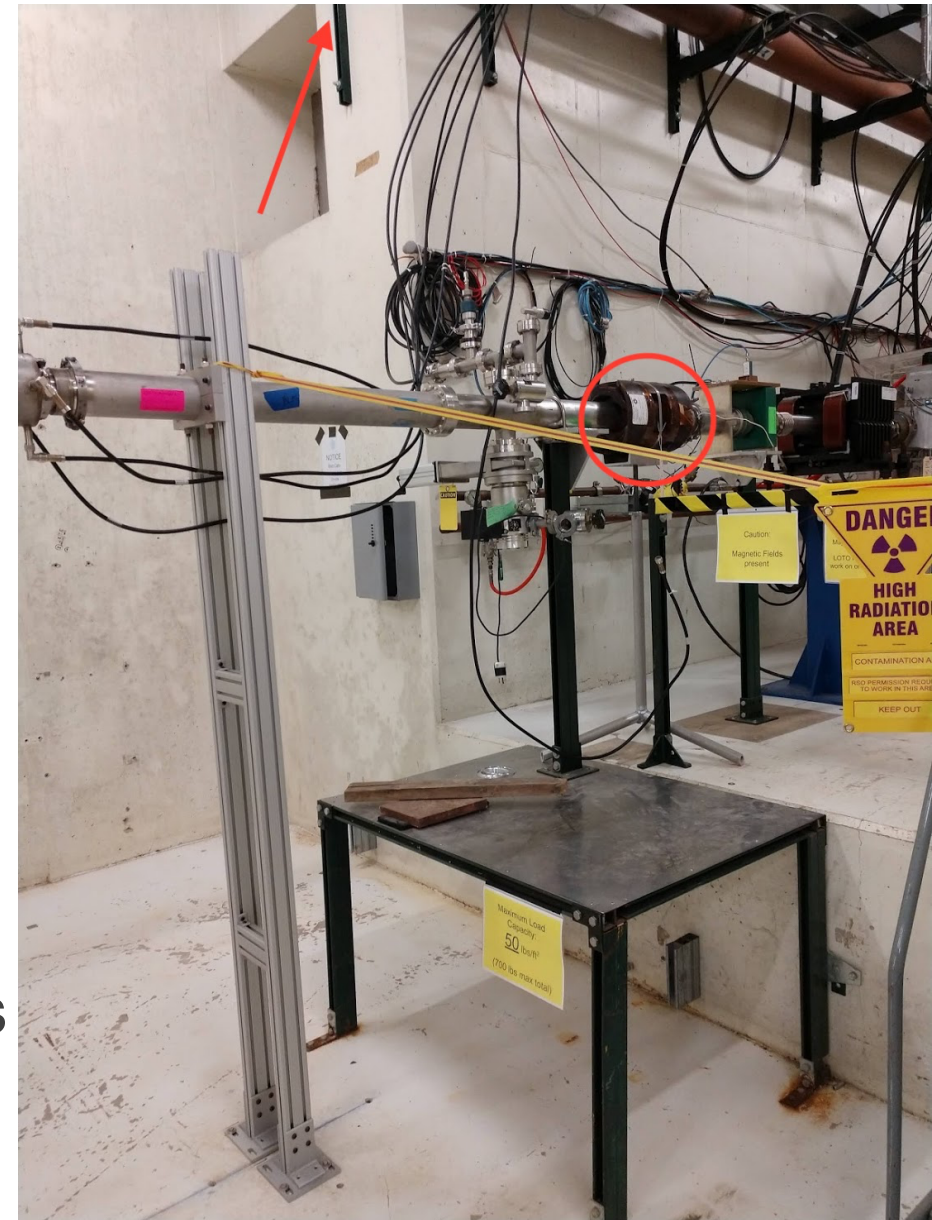
- Continuing to rotate among the same handful (T992, T1224, T1409, T1516, T1670) of installed and ORC'd local groups
 - Operations have been steady, beam appreciated
- No external groups expected until April
- Large EIC effort from BNL postponed from March to June to clear travel
- Currently running 1 day and 1 night group at a time, ability to operate additional experiments in May/June would help

- MCenter

- NOvA continues to closely with AD to tune and understand beam quality
- Shifting remotely 24/7

ITA Status

- Second irradiation ended on 2/22. Upon opening an unexpected hotspot was seen on the upstream beam pipe. Operations paused.
- Hotspot was traced to a failure of the power supply on the final vertical bend magnet thanks to Jason St. John and EE support.
- Issue has been resolved and we have seen beam profile on the final multiwire in both views (but not simultaneously) thanks to Jason and Carol Johnstone
 - Additional trim magnet is being hooked up in next few days for added steering



ITA Status

- We have heard a new version of the TLG has entered testing. This would increase our beam intensity by a factor 10.
- We remain experimentally paused until the beam spot is fully characterized and focused, hoping to resume next week.
 - Working with users to understand beam with aluminum foil dosimetry and an improved pin diode array.
 - Users require a stable 1cm sigma beam spot in both planes with reliable dosimetry.
- User requests are picking up from both CMS and ATLAS. We are not saturated yet but fixing the TLG has significant impact on the program.